1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/688,566

DATE: 06/17/2002
TIME: 19:34:49

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\06172002\I688566.raw

ENTERED

```
   4 <110> APPLICANT: Lipovsek, Dasa
   5        Wagner, Richard W
   6        Kuimelis, Robert G
   8 <120> TITLE OF INVENTION: PROTEIN SCAFFOLDS FOR ANTIBODY MIMICS
   9        AND OTHER BINDING PROTEINS
  12 <130> FILE REFERENCE: 50036/021004
  14 <140> CURRENT APPLICATION NUMBER: US 09/688,566
  15 <141> CURRENT FILING DATE: 2000-10-16
  17 <150> PRIOR APPLICATION NUMBER: US 60/111,737
  18 <151> PRIOR FILING DATE: 1998-12-10
  20 <150> PRIOR APPLICATION NUMBER: US 09/456,693
  21 <151> PRIOR FILING DATE: 1999-12-09
  23 <150> PRIOR APPLICATION NUMBER: US 09/515,260
  24 <151> PRIOR FILING DATE: 2000-02-29
  26 <160> NUMBER OF SEQ ID NOS: 202
  28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
  30 <210> SEQ ID NO: 1
  31 <211> LENGTH: 122
  32 <212> TYPE: DNA
  33 <213> ORGANISM: Homo sapiens
  35 <400> SEQUENCE: 1
  36 ggaattccta atacgactca ctatagggac aattactatt tacaattaca atgcatcacc       60
  37 atcaccatca cgtttctgat gttccgaggg acctggaagt tgttgctgcg accccacca       120
  38 gc                                                                      122
  40 <210> SEQ ID NO: 2
  41 <211> LENGTH: 104
  42 <212> TYPE: DNA
  43 <213> ORGANISM: Homo sapiens
  45 <400> SEQUENCE: 2
  46 ggaattccta atacgactca ctatagggac aattactatt tacaattaca atggtttctg       60
  47 atgttccgag ggacctggaa gttgttgctg cgaccccac cagc                         104
  49 <210> SEQ ID NO: 3
  50 <211> LENGTH: 126
  51 <212> TYPE: DNA
  52 <213> ORGANISM: Homo sapiens
  54 <220> FEATURE:
  55 <221> NAME/KEY: misc_feature
  56 <222> LOCATION: (1)...(126)
  57 <223> OTHER INFORMATION: n = A,T,C or G
  59 <221> NAME/KEY: misc_feature
  60 <222> LOCATION: (1)...(126)
  61 <223> OTHER INFORMATION: s = C or G
W--> 63 <221> misc_feature
```

```
 64 <222> LOCATION: 74, 75, 77, 78, 80, 81, 83, 84, 86, 87, 89, 90, 92, 93
 65 <223> OTHER INFORMATION: n = A,T,C or G
 67 <400> 3
 68 agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc cctgtttctc cgtaagtgat     60
 69 cctgtaatat ctsnnsnnsn nsnnsnnsnn snnccagctg atcagtaggc tggtgggggt    120
 70 cgcagc                                                              126
 72 <210> SEQ ID NO: 4
 73 <211> LENGTH: 62
 74 <212> TYPE: DNA
 75 <213> ORGANISM: Homo sapiens
 77 <400> SEQUENCE: 4
 78 agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc cctgtttctc cgtaagtgat     60
 79 cc                                                                   62
 81 <210> SEQ ID NO: 5
 82 <211> LENGTH: 99
 83 <212> TYPE: DNA
 84 <213> ORGANISM: Homo sapiens
 86 <400> SEQUENCE: 5
 87 ggaattccta atacgactca ctatagggac aattactatt tacaattaca atgcatcacc     60
 88 atcaccatca cctcttcaca ggaggaaata gccctgtcc                            99
 90 <210> SEQ ID NO: 6
 91 <211> LENGTH: 132
 92 <212> TYPE: DNA
 93 <213> ORGANISM: Homo sapiens
 95 <220> FEATURE:
 96 <221> NAME/KEY: misc_feature
 97 <222> LOCATION: (1)...(132)
 98 <223> OTHER INFORMATION: n = A,T,C or G
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (1)...(132)
102 <223> OTHER INFORMATION: s = C or G
104 <221> misc_feature
105 <222> LOCATION: 83, 84, 86, 87, 89, 90, 92, 93
106 <223> OTHER INFORMATION: n = A,T,C or G
108 <400> 6
109 agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc gtataatcaa ctccaggttt     60
110 aaggccgctg atggtagctg tsnnsnnsnn snnaggcaca gtgaactcct ggacagggct    120
111 atttcctcct gt                                                        132
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 64
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 7
119 agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc gtataatcaa ctccaggttt     60
120 aagg                                                                  64
122 <210> SEQ ID NO: 8
123 <211> LENGTH: 101
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
```

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```
127 <400> SEQUENCE: 8
128 ggaattccta atacgactca ctatagggac aattactatt tacaattaca atgcatcacc      60
129 atcaccatca cctcttctat accatcactg tgtatgctgt c                         101
131 <210> SEQ ID NO: 9
132 <211> LENGTH: 114
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapiens
136 <220> FEATURE:
137 <221> NAME/KEY: misc_feature
138 <222> LOCATION: (1)...(114)
139 <223> OTHER INFORMATION: n = A,T,C or G
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (1)...(114)
143 <223> OTHER INFORMATION: s = C or G
145 <221> misc_feature
146 <222> LOCATION: 59, 60, 62, 63, 65, 66, 68, 69, 71, 72, 74, 75, 77, 78, 80,
147        81, 83, 84, 86, 87
148 <223> OTHER INFORMATION: n = A,T,C or G
150 <400> 9
151 agcggatgcc ttgtcgtcgt cgtccttgta gtctgttcgg taattaatgg aaattggsnn      60
152 snnsnnsnns nnsnnsnnsn nsnnsnnagt gacagcatac acagtgatgg tata           114
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 57
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
159 <400> SEQUENCE: 10
160 agcggatgcc ttgtcgtcgt cgtccttgta gtctgttcgg taattaatgg aaattgg        57
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 45
164 <212> TYPE: DNA
165 <213> ORGANISM: T7 phage and tobacco mosaic virus
167 <400> SEQUENCE: 11
168 gcgtaatacg actcactata gggacaatta ctatttacaa ttaca                    45
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 33
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Flag sequence
178 <400> SEQUENCE: 12
179 agcggatgcc ttgtcgtcgt cgtccttgta gtc                                  33
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 19
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Splint oligonucleotide
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (1)...(19)
```

W--> 145
W--> 150
W--> 151
W--> 152
W--> 189

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```
      191 <223> OTHER INFORMATION: n = A,T,C or G
W-->  193 <221> misc_feature
      194 <222> LOCATION: 10
      195 <223> OTHER INFORMATION: n = A,T,C or G
W-->  197 <400> 13
W-->  198 tttttttttn agcggatgc                                         19
      200 <210> SEQ ID NO: 14
      201 <211> LENGTH: 20
      202 <212> TYPE: DNA
      203 <213> ORGANISM: Artificial Sequence
      205 <220> FEATURE:
      206 <223> OTHER INFORMATION: Puromycin linker oligonucleotide
      208 <400> SEQUENCE: 14
      209 aaaaaaaaaa aaaaaaaacc                                         20
      211 <210> SEQ ID NO: 15
      212 <211> LENGTH: 30
      213 <212> TYPE: DNA
      214 <213> ORGANISM: Mus musculus
      216 <400> SEQUENCE: 15
      217 gcggcagggt ttgcttactg gggccaaggg                              30
      219 <210> SEQ ID NO: 16
      220 <211> LENGTH: 27
      221 <212> TYPE: DNA
      222 <213> ORGANISM: Mus musculus
      224 <400> SEQUENCE: 16
      225 gggaggggtg gaggtaggtc acagtcc                                 27
      227 <210> SEQ ID NO: 17
      228 <211> LENGTH: 30
      229 <212> TYPE: DNA
      230 <213> ORGANISM: Mus musculus
      232 <400> SEQUENCE: 17
      233 tttgctagct ttaccaggag agtgggaggc                              30
      235 <210> SEQ ID NO: 18
      236 <211> LENGTH: 33
      237 <212> TYPE: DNA
      238 <213> ORGANISM: Mus musculus
      240 <400> SEQUENCE: 18
      241 aaaaagcttg ccaaaacgac acccccatct gtc                          33
      243 <210> SEQ ID NO: 19
      244 <211> LENGTH: 33
      245 <212> TYPE: DNA
      246 <213> ORGANISM: Mus musculus
      248 <400> SEQUENCE: 19
      249 catatggttt ctgatattcc gagagatctg gag                          33
      251 <210> SEQ ID NO: 20
      252 <211> LENGTH: 43
      253 <212> TYPE: DNA
      254 <213> ORGANISM: Mus musculus
      256 <400> SEQUENCE: 20
```

```
257 catatgcatc accatcacca tcacgtttct gatattccga gag                    43
259 <210> SEQ ID NO: 21
260 <211> LENGTH: 30
261 <212> TYPE: DNA
262 <213> ORGANISM: Mus musculus
264 <400> SEQUENCE: 21
265 gaattcctat gttttataat tgatggaaac                                    30
267 <210> SEQ ID NO: 22
268 <211> LENGTH: 19
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 22
273 tgtaaatagt aattgtccc                                               19
275 <210> SEQ ID NO: 23
276 <211> LENGTH: 20
277 <212> TYPE: DNA
278 <213> ORGANISM: Homo sapiens
280 <400> SEQUENCE: 23
281 tttttttttt tttttttttt                                              20
283 <210> SEQ ID NO: 24
284 <211> LENGTH: 15
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Oligonucleotide
291 <400> SEQUENCE: 24
292 cctgtaggtg tccat                                                   15
294 <210> SEQ ID NO: 25
295 <211> LENGTH: 16
296 <212> TYPE: DNA
297 <213> ORGANISM: Homo sapiens
299 <400> SEQUENCE: 25
300 catcgtcctt gtagtc                                                  16
302 <210> SEQ ID NO: 26
303 <211> LENGTH: 13
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Oligonucleotide
310 <400> SEQUENCE: 26
311 cgtcgtaggg gta                                                     13
313 <210> SEQ ID NO: 27
314 <211> LENGTH: 17
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Oligonucleotide
321 <400> SEQUENCE: 27
322 caggtcttct tcagaga                                                 17
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/17/2002
PATENT APPLICATION: US/09/688,566   TIME: 19:34:50

Input Set : A:\PTO.AMC.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3;   N Pos. 74,75,77,78,80,81,83,84,86,87,89,90,92,93
Seq#:6;   N Pos. 83,84,86,87,89,90,92,93
Seq#:9;   N Pos. 59,60,62,63,65,66,68,69,71,72,74,75,77,78,80,81,83,84,86,87
Seq#:13; N Pos. 10
Seq#:30; N Pos. 10
Seq#:79; Xaa Pos. 17,30,34
Seq#:85; Xaa Pos. 28,51,82
Seq#:96; Xaa Pos. 40
Seq#:97; Xaa Pos. 13,21
Seq#:107; Xaa Pos. 27
Seq#:114; Xaa Pos. 3,18,23
Seq#:118; Xaa Pos. 28
Seq#:120; Xaa Pos. 28
Seq#:125; Xaa Pos. 86
Seq#:126; Xaa Pos. 75
Seq#:129; Xaa Pos. 2,9,12,22
Seq#:189; Xaa Pos. 24